MAYS0750Y

Silicon epitaxial planar type

For ESD protection of high speed signal line

Features

• Maintain signal cobs with low insertion loss, distortion.

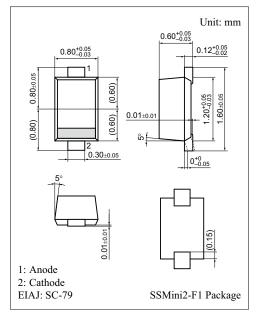
Absolute Maximum Ratings $T_a = 25^{\circ}C$

Parameter	Symbol	Rating	Unit	
Total power dissipation *1	P _T	150	mW	
Junction temperature	Tj	150	°C	
Storage temperature	T _{stg}	-55 to +150	°C	
Electrostatic discharge *2	ESD	±8	kV	

Note) $*1: P_T = 150 \text{ mW}$ achieved with a printed circuit board.

*2: Test method: IEC61000-4-2

 $(C = 150 \text{ pF}, R = 330 \Omega, \text{Contact discharge: 10 times})$



Marking Symbol: CY

Electrical Characteristics $T_a = 25^{\circ}C \pm 3^{\circ}C$

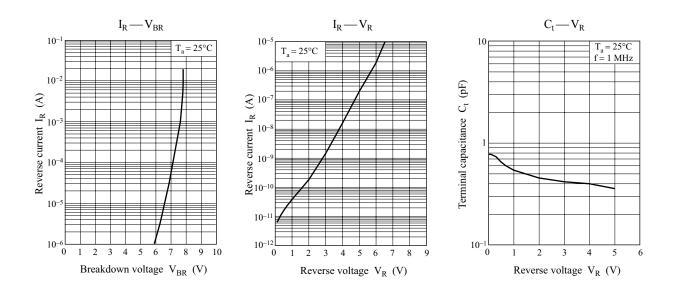
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Breakdown voltage *	V _{BR}	$I_R = 1 \text{ mA}$	6.0	7.5		V
Reverse current	I _R	$V_R = 5 V$			2	μΑ
Terminal capacitance	Ct	$I_{R} = 0 V, f = 1 MHz$		0.8		pF

Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7031 measuring methods for diodes.

2. *: V_Z guaranted 20 ms after current flow.

MAYS0750Y

Panasonic



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